

COMMUNITY COLLEGE OF RHODE ISLAND
Nursing Program
ADNU 2050

Medication Administration Practice Test
Spring 2005

1. Convert the following weights to kilograms, rounded to the tenths:

a. 6 lb, 6 oz _____

b. 4 lb, 4 oz _____

c. 2275 g _____

d. 8 lb, 6.3 oz _____

2. Order: *Motrin 10 mg/kg/dose* for a 10 lb, 5 oz infant.

a. The prescribed dose of Motrin is: _____ mg.

b. If the Motrin is supplied as 100 mg/5 mL, the volume prescribed is: _____ mL.

3. Order: *Ceclor oral suspension 75 mg p.o. tid* for a child with an upper respiratory infection who weighs 18 lb.

Recommended dosage: Ceclor 20 to 40 mg/kg/day.

Supply Dose: Ceclor 125 mg/5 mL

a. Child's weight in kilograms: _____

b. Recommended daily dosage for this child: _____ mg/day

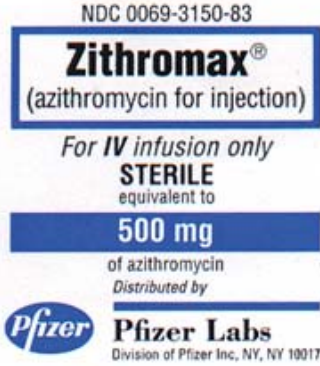
c. Recommended single dosage for this child: _____ mg/dose

d. Is the dosage ordered safe? _____

e. To administer one dose, give: _____ mL

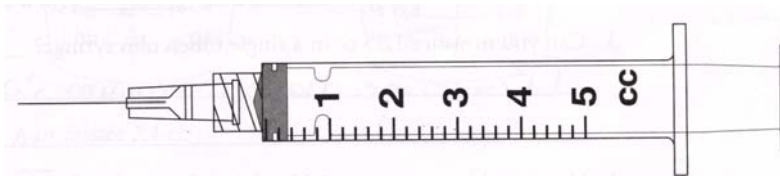
4. Order: *Zithromax 0.5g IV qd*

Store at or below 86°F (30°C).
DOSAGE AND USE
 See accompanying prescribing information.
 Constitute to 100 mg/mL* with 4.8 mL of Sterile Water For Injection.
Must be further diluted before use.
 For appropriate diluents and storage recommendations, refer to prescribing information.
 *Each mL contains azithromycin dihydrate equivalent to 100 mg of azithromycin, 76.9 mg of citric acid, and sodium hydroxide for pH adjustment. 05-5191-32-0
CAUTION: Federal law prohibits dispensing without prescription.



Lot No.
Exp. Date

- Reconstitute with _____ mL diluent
- for a concentration of _____ mg/mL
- Give: _____ mL
- Mark the syringe below indicating the ordered dose.



5. Order: *500 mL NS with 250 U Regular Insulin to infuse at 10 U/hr.*

Set the pump to _____ mL/hr.

6. Order: *One liter D₅ ½NS + 40 mEq KCl to infuse at 50 mL/hr by infusion pump.*

What is the hourly dose of KCl the patient will receive? _____ mEq/hr

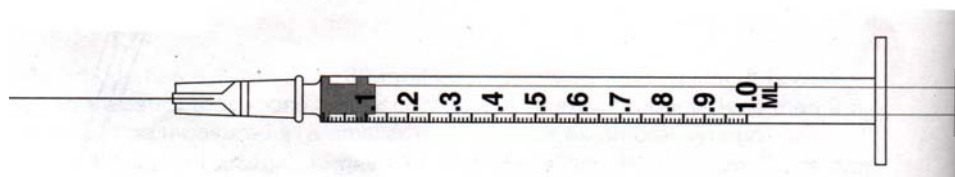
7. Order: *11 mg gentamicin IV for a 10 lb child.*

Safe dose: gentamicin 2.5 mg/kg/dose

Supply dose: gentamicin 40 mg/2 mL

Minimum dilution: gentamicin should be further diluted in NS to a safe concentration of 1 mg/mL.

- Is the dose ordered safe? _____
- What volume of gentamicin will the nurse draw up? _____
- Mark the syringe below with the ordered amount of gentamicin.



- The nurse will further dilute the gentamicin in at least _____ mL of NS.

8. Order: *Infuse 2000 mL over 16 hours.* Drop factor 15 gtts/mL

a. IV flow rate: _____ gtts/min

b. If IV is “positional” and needs to be placed on a pump, set the rate to _____ mL/hr.

9. Order: *500 mg Kefzol in 100 mL D₅NS to infuse over 45 minutes*

Set infusion pump to _____ mL/hr.

10. For an infant that weighs 15 $\frac{3}{4}$ lb:

a. Calculate maintenance fluids: _____ mL/day

b. Calculate hourly IV rate if infant is NPO: _____ mL/hour

c. When infant resumes PO intake and consumes 3 oz formula Q3H, is he receiving adequate fluids?

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Medication Administration Practice Test Key
Fall 2004

- 1a. 2.9 kg
 - b. 2 kg
 - c. 2.3 kg
 - d. 3.8 kg
-
- 2a. 47 mg
 - b. 2.4 mL
-
- 3a. 8.2 kg
 - b. 164 to 328 mg/day
 - c. 55 to 109 mg/dose
 - d. yes
 - e. 3 mL
-
- 4a. 4.8
 - b. 100 mg/mL
 - c. 5 mL
 - d. mark syringe at 5 mL
-
- 5. 20 mL/hr
-
- 6. 2 mEq/hr
-
- 7a. yes
 - b. 0.55 mL
 - c. mark syringe at 0.55 mL
 - d. 11 mL
-
- 8a. 31 gtt/min
 - b. 125 mL/hr
-
- 9. 133 mL/hr
-
- 10a. 720 mL/day
 - b. 30 mL/hr
 - c. yes